

DESCRIPTION:

PMI MODEL NUMBER PE2-30-0R2520R0-5R0-22-12-SFF IS A 0.25 TO 20.0 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/14/2015	
	A1	ECN # 16-0016	2/3/2016	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.25 TO 20 GHz
- GAIN:..... 30 dB TYP
- GAIN FLATNESS:..... ±1.5 dB MAX
- NOISE FIGURE:..... 5.0 dB MAX (*)
- OP1dB:..... 22 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC @ 400 mA TYP
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

(*) NOISE FIGURE ONLY VALID ABOVE 500 MHz

FEATURES:

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

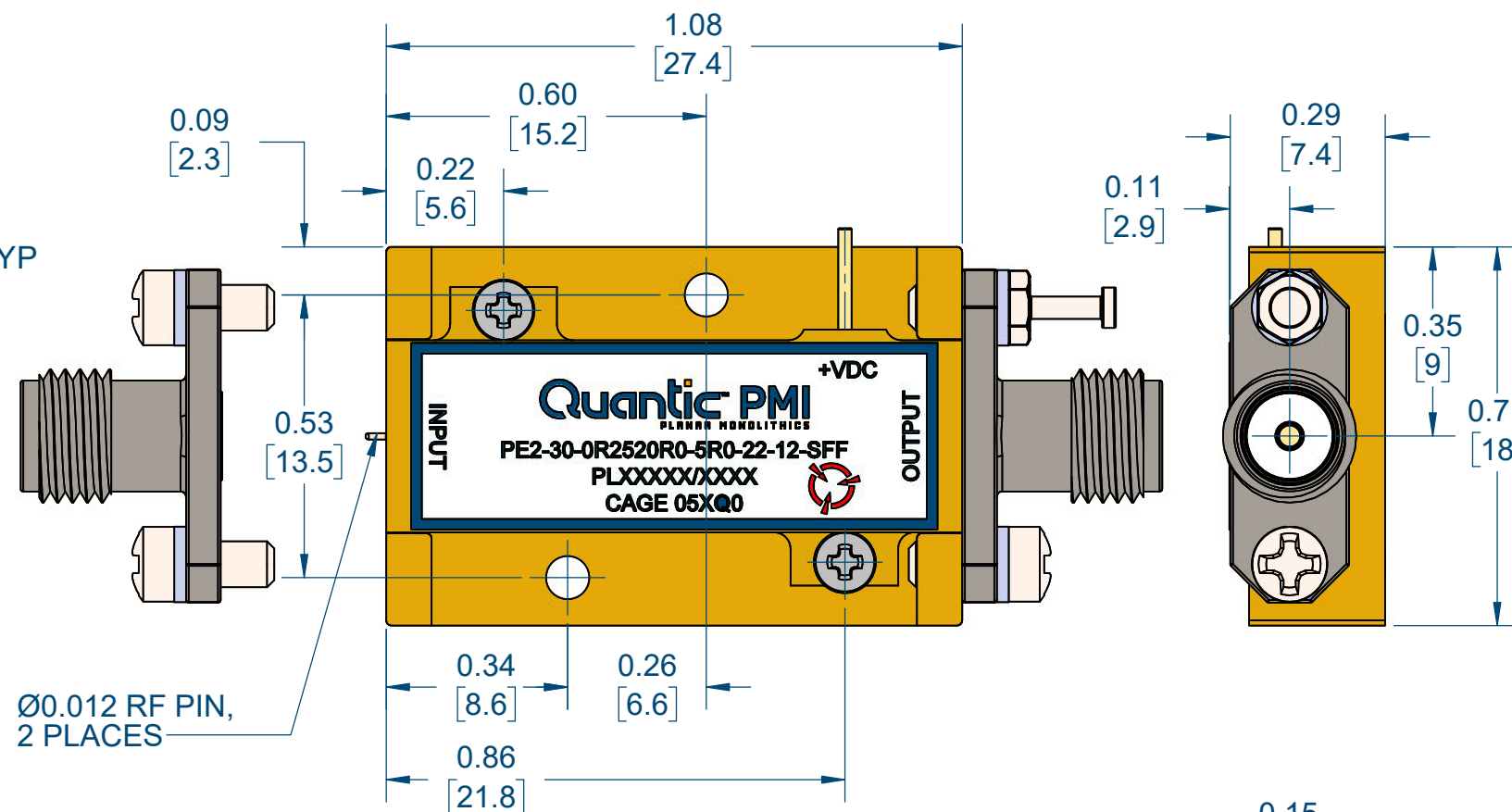
AVAILABLE OPTIONS:

- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

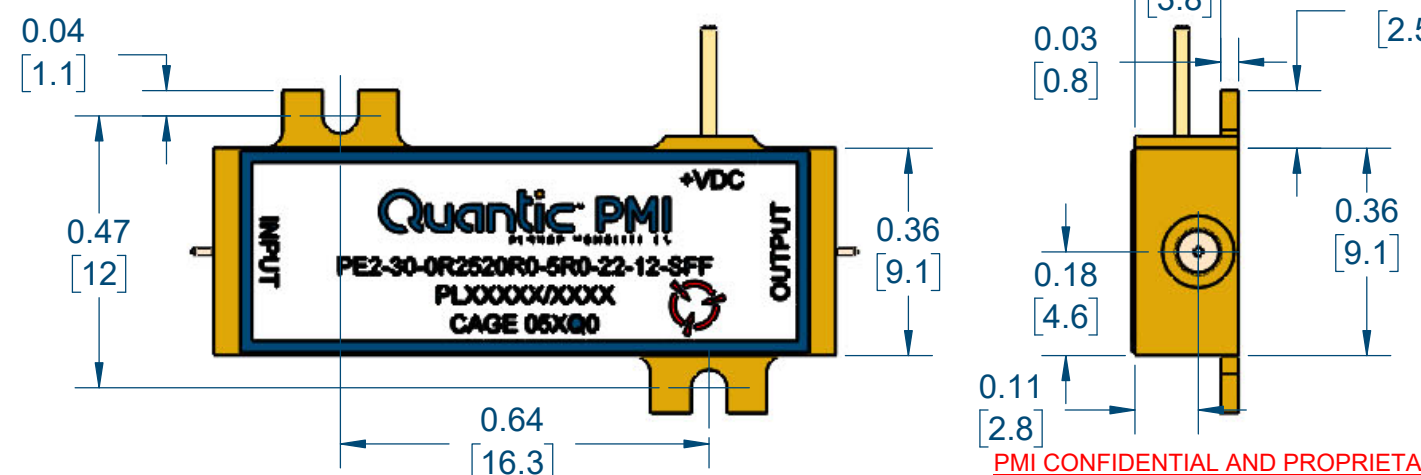
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-40°C TO +100°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER



PMI CONFIDENTIAL AND PROPRIETARY

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		<table border="1"> <tr> <th>APPROVALS</th> <th>DATE</th> </tr> <tr> <td>DRAWN B. THOMAS</td> <td>12/14/2015</td> </tr> <tr> <td>REDRAWN</td> <td></td> </tr> <tr> <td>ISSUED</td> <td></td> </tr> </table>	APPROVALS	DATE	DRAWN B. THOMAS	12/14/2015	REDRAWN		ISSUED		<p>Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED</p>
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SCALE 3:1		SHEET 1 OF 1									